PHILIPS

PHILIPS

PHIL-B01195

22DCC821

Philips DCC 821

CAR DCC COMBINATION

DIGITAL compact cassette

Operating instructions
Mode d'emploi
Bedienungsanleitung
Gebruiksaanwijzing
Istruzioni d'uso
Instrucciones de manejo
Bruksanvisning

Philips Car Systems

Attention: Please adjust the volume at such a level that you can still hear traffic signals.

Attention: Pour votre sécurité, régler le volume à un niveau vous permettant d'entendre les avertissements sonores des autres véhicules.

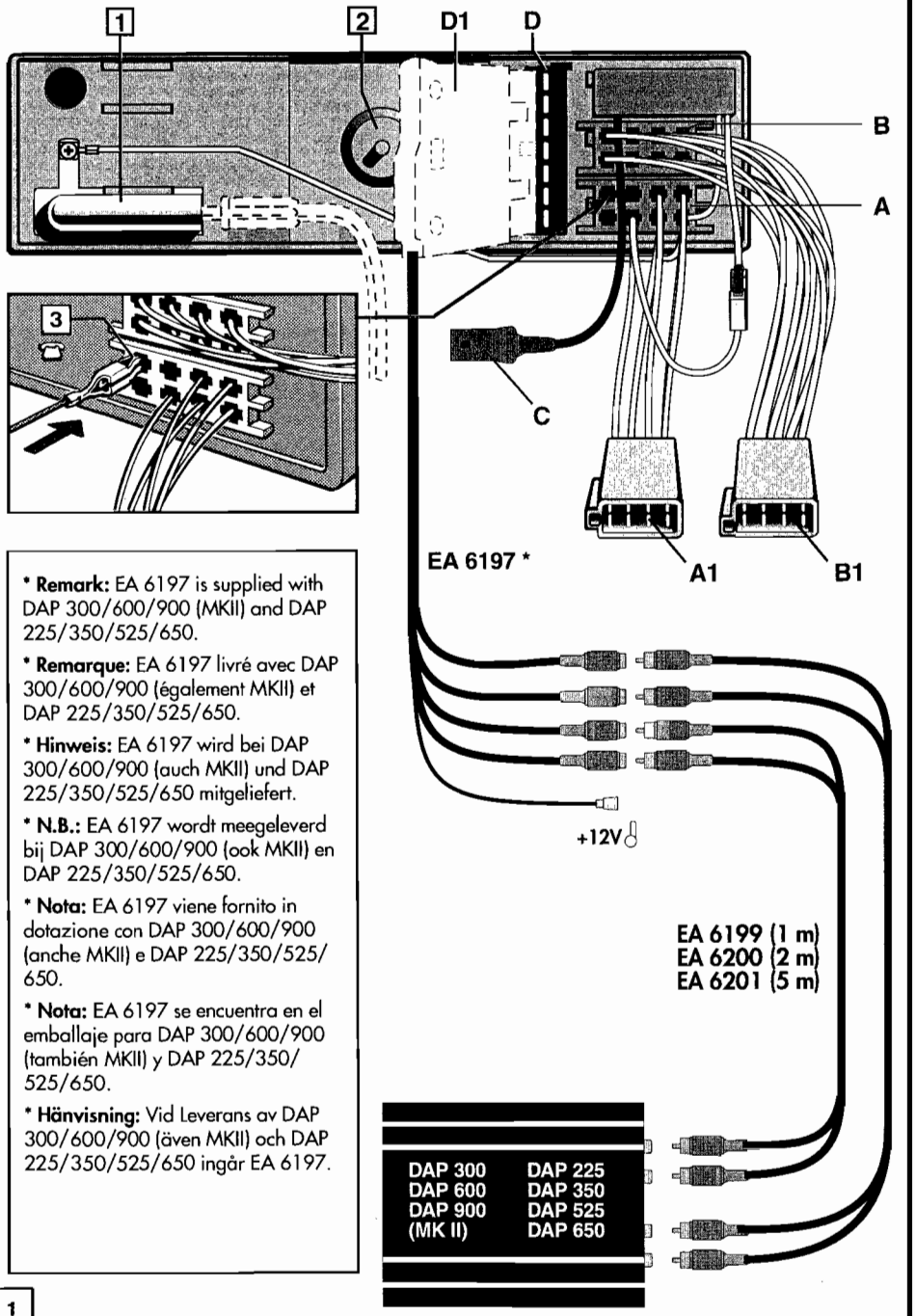
Hinweis: Die Lautstärke bitte so einstellen, daß Sie die Verkehrssignale noch hören können.

Attentie: Stel, voor uw veiligheid, het volume zo hoog in dat u nog steeds verkeerssignalen kunt horen.

Attenzione: Regolare il volume in modo da non coprire i rumori esterni.

Atención: Ajuste el volumen del sonido a un nivel que le permita oír bien las señales del tráfico.

Observera: Ställ in volymen så att du fortfarande kan höra trafikmeddelanden.



* **Remark:** EA 6197 is supplied with DAP 300/600/900 (MKII) and DAP 225/350/525/650.

* **Remarque:** EA 6197 livré avec DAP 300/600/900 (également MKII) et DAP 225/350/525/650.

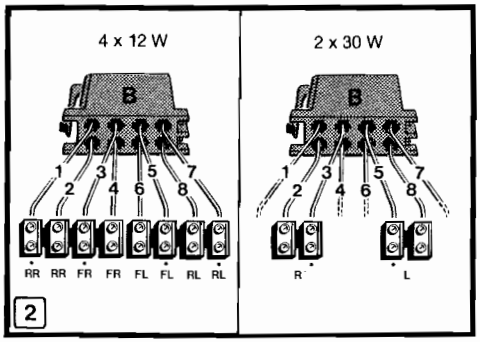
* **Hinweis:** EA 6197 wird bei DAP 300/600/900 (auch MKII) und DAP 225/350/525/650 mitgeliefert.

* **N.B.:** EA 6197 wordt meegeleverd bij DAP 300/600/900 (ook MKII) en DAP 225/350/525/650.

* **Nota:** EA 6197 viene fornito in dotazione con DAP 300/600/900 (anche MKII) e DAP 225/350/525/650.

* **Nota:** EA 6197 se encuentra en el emballaje para DAP 300/600/900 (también MKII) y DAP 225/350/525/650.

* **Hänvisning:** Vid Leverans av DAP 300/600/900 (även MKII) och DAP 225/350/525/650 ingår EA 6197.


4 x 12 W
2 x 30 W
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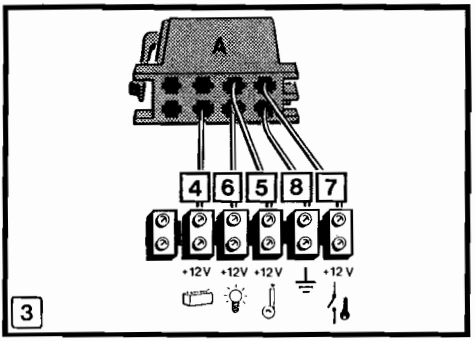
B
1 2 3 4 6 5 7 8
1 2 3 4 6 5 7 8
RR RR FR FR FL FL RL RL
R L
2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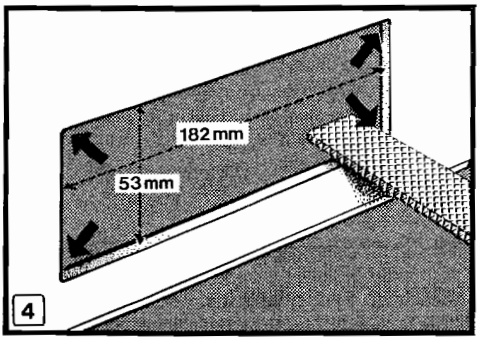
3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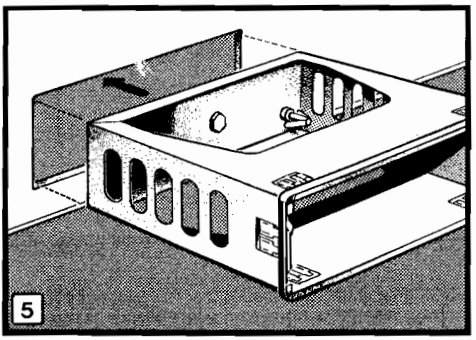
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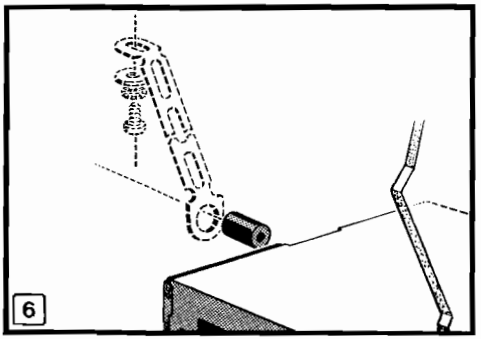
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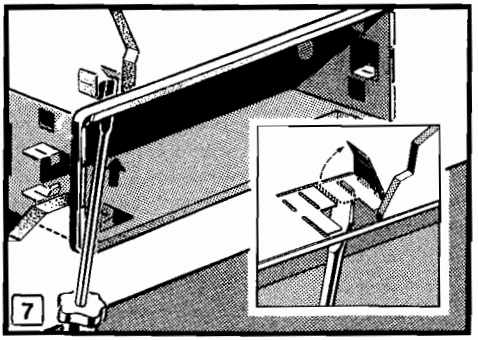
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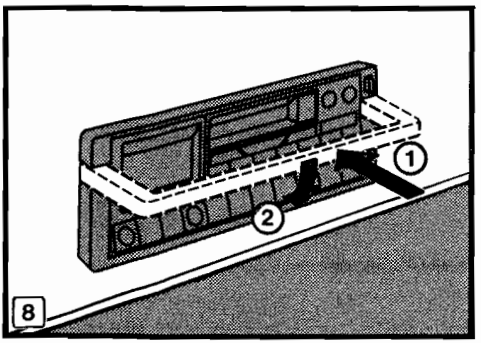
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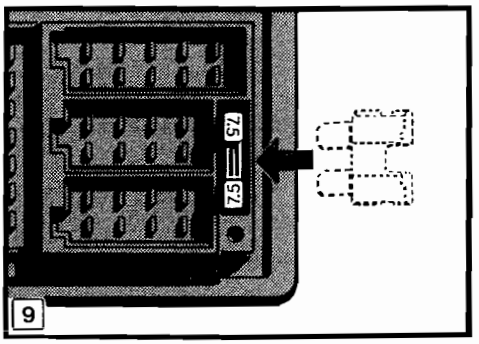
75
57
9

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INTRODUCTION

This revolutionary set is the first combination of an RDS Car Radio and an integrated Digital Compact Cassette deck. Ease of operation was the first priority in designing this unit.

Digital Compact Cassette : Via the integrated DCC deck, containing the revolutionary new Precision Adaptive Sub-band Coding PASC and the ONE BIT STREAM conversion, you can enjoy high quality sound reproduction with digitally recorded audio cassettes.

The DCC deck also allows you to play analogue recorded Compact Cassettes with features like Dolby Noise Reduction ®B (B and C type) or Music Search System MSS.

CD changer control: The set is prepared for connection of a 6-disc CD changer using the D^2B bus standard.

Radio Data System : The radio automatically tunes to the strongest transmitter of the same station while displaying the station-name.

Traffic messages are received via the tuned station or via **E**nhanced **O**ther **N**etworks EON (see page 18), even in DCC, Compact Cassette or CD changer mode.

Auto-Store: Auto-Store programmes the six strongest stations on FM, MW and LW (or AM in the U.S.A.).

Audio Amplifier: The Car Radio/DCC deck produces quality sound via the 2 x 30 W or 4 x 12 W amplifier. A four-channel Line Output enables extension of the total output via additional amplifiers.

The set enables you to store your preferred sound adjustments for each source (Audio Super Control). Additionally the volume of traffic announcements can be programmed separately.

INIT mode: In the Initialisation mode you can select several functions not available with the normal function keys. This personalizes operation of the set and you can select and memorize your personal preferences like the color of the display and keyboard illumination.

To ensure the best possible readability of the LCD display, the viewing angle is adjustable as well.

Telephone: The set is prepared for connection of a telephone in your car. If connected, the audio reproduction of radio, DCC/Compact Cassette or CD is automatically muted during a call.

Security: The set is provided with a Quick-Out sleeve to enable you to take out the radio for optimal theft prevention. We advise you to take the radio with you or to lock it away. Never put it under the seat.

The **identification number** is stated on the passport that is supplied with the set.

This number is also engraved on the side of the set.

The passport counts as proof of ownership.

Keep this 'passport' safe, for example with your car documents, but **never** in your car.

WARNING!

DO NOT use demagnetizing cassettes.

NEVER use other Cassette cleaners than the supplied DCC cleaning cassette!

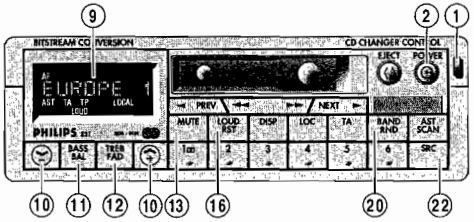
Do **not** use cassette adaptors supplied with/for CD portables.

To avoid insufficient aerial contact always insert the set in the Quick-Out sleeve with the handle fully up. Then push the handle fully down to lock the set correctly into position.

®Dolby Noise Reduction manufactured under license from Dolby Laboratories Licensing Corporation. DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

SUMMARY OF CONTROLS

GENERAL CONTROLS



(1) Release-handle key

(2) On/off-switch ⊙ (POWER)

(9) Display

(10) Audio keys ⩒ and ⩓ for adjustment of volume, bass, treble, balance, fader and parameter setting in the INIT mode

(11) Bass (BASS)/Balance (BAL) selector

(12) Treble (TREB)/Fader (FAD) selector

(13) Audio Mute (MUTE)

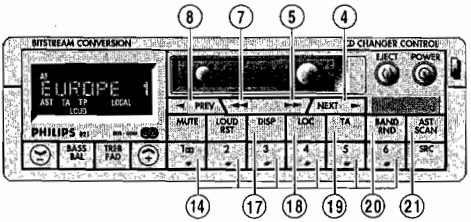
(16) Loudness (LOUD)/Audio reset (RST)

(20) *Long press:* Entering the INIT mode

(22) Source selector (SRC) between radio reception, DCC/Compact Cassette or CD playback

Be careful not to damage the digital display by pushing or rubbing it!

RADIO CONTROLS



(4) Search tuning upwards (NEXT ►)

(5) Manual tuning upwards (►►)

(7) Manual tuning downwards (◄◄)

(8) Search tuning downwards (◄ PREV)

(14) Station presets (1 – 6)

(17) Shows the frequency and the selected waveband instead of the station-name of an RDS station (DISP)

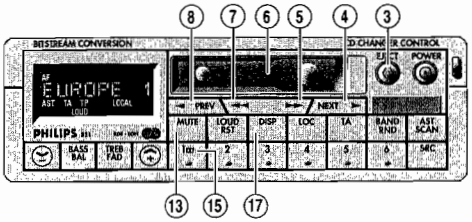
(18) Selector for strong stations (LOC = Local)

(19) *Short press:* Traffic information (TA = Traffic Announcement)
Long press: Skipping a traffic message

(20) *Short press:* Waveband selector FM1, FM2, FM3, MW, LW or SW (or AM1, AM2, AM3 for the U.S.A.) (BAND)

(21) Auto-Store (FM, MW, LW or AM) to program the six strongest stations of the current reception area

DCC AND CASSETTE PLAYER CONTROLS



(3) *Short press:* Changes the play direction of a DCC or Compact Cassette (⟨⟩)
Long press: Ejects a DCC or Compact Cassette (EJECT)

(4) To select next tracks of a DCC or Compact Cassette (NEXT ►)

(5) Fast winding DCC/Compact Cassette (►►)

(6) Cassette opening

(7) Fast rewind DCC/Compact Cassette (◄◄)

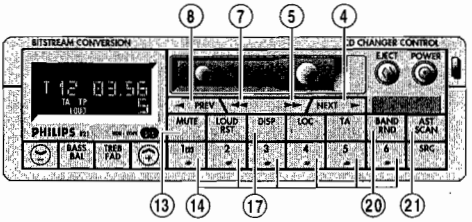
(8) To select previous tracks of a DCC or Compact Cassette (◄ PREV)

(13) Mute: interrupts the playback of DCC or Compact Cassette (pause)

(15) Dolby Noise Reduction ◻◻ B or C type (for Compact Cassette only)

(17) To select the DCC text mode (DISP) (only available with prerecorded DCCs)

CD CHANGER CONTROLS



(4) Searching for next tracks of a disc (NEXT ►)

(5) Fast searching forward for a certain passage of the selected disc (►►)

(6) Fast searching backwards for a certain passage of the selected disc (◄◄)

(8) Searching for previous tracks of a disc (◄ PREV)

(13) Mute: interrupts the CD playback (pause)

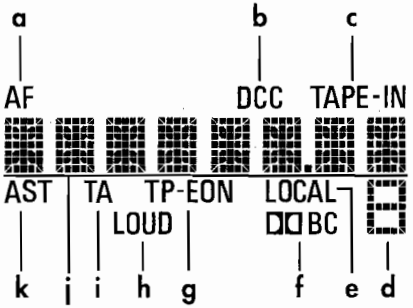
(14) To select or restart a specific disc of the inserted CD magazine (1 – 6)

(17) To display total track number and total time of the selected disc (DISP)

(20) To play tracks of the selected disc at random (RND)

(21) To hear the first 10 seconds of every track of the selected disc (SCAN)

DISPLAY INDICATIONS



a **AF:** Tuned station broadcasts RDS information with alternative frequencies.

b **DCC:** A Digital Compact Cassette is in the DCC deck.

c **TAPE-IN:** A Compact Cassette is in the DCC deck.

d **Radio mode:** Preset station (1 to 6) is selected.
Deck mode: Indicates side A or B of the played DCC or Compact Cassette.
CD changer mode: Shows the number of the selected disc (1 to 6).

e **LOCAL:** Search tuning accepts strong stations only.

f DD: Dolby® Noise Reduction B or C is switched on (for Compact Cassette).

g **TP:** (= Traffic Programme)
Indication that the station broadcasts traffic information.
TP-EON: A traffic message is received via **E**nhanced **O**ther **N**etworks (**EON**).

h **LOUD:** Loudness is switched on.

i **TA:** (= Traffic Announcement)
The radio is in the TA mode.

j **Radio mode**: Waveband and frequency, or (on FM only) the station-name.
Audio adjustment: VOL, BASS, BAL, TREB or FAD and their settings.
DCC mode: Track number and elapsed time or text mode (only with prerecorded DCCs).
CD changer mode: Track number/ elapsed track time or total number of tracks/total time of the selected disc.
INIT mode: Initialisation parameters and their settings.

k **AST:** Auto-Store band chosen (FM3 or AM3*).

* for U.S.A. only

GENERAL

INSERTING AND TAKING OUT THE RADIO

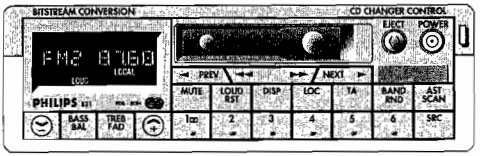
Note: Make sure that the radio is switched off before you take it out of the Quick-Out sleeve.

- Push the handle release key. The handle comes free.
- Pull the set straight out of the sleeve.
- To insert the set pull the handle fully up and slide the set into the sleeve.
- Push the handle downwards (see Fig. 8, page 4).

Note: To avoid insufficient aerial contact, always insert the set with the handle fully up.

Before you drive off, always check that the handle is fully pushed down to lock the set into position.

ON/OFF POWER



- Press the ⊙ POWER key to switch the set on or off.

☐ The set automatically switches on when inserting a DCC or Compact Cassette.

SOUND ADJUSTMENT

The ⌄/⌃ keys normally function as volume controls. The same keys are also used to adjust bass, treble, balance and fader (as described below).

Approx. 10 seconds after you pressed one of the BASS/BAL or TREB/FAD keys, the ⌄ and ⌃ keys automatically change back to volume controls.

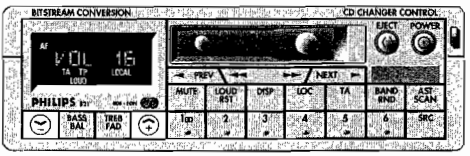
Alternatively, you can immediately return to volume control by briefly pressing the BASS/BAL or TREB/FAD key again.

If you press and hold one of the ⌄/⌃ keys while adjusting bass, treble, balance or fader, the set will hold at the - 0 - position. Press the same key again for further adjustment.

Audio Super Control

You can adjust the bass and treble settings separately for radio reception, traffic messages (during a traffic announcement), DCC/Compact Cassette and CD.

VOLUME ⌄/⌃

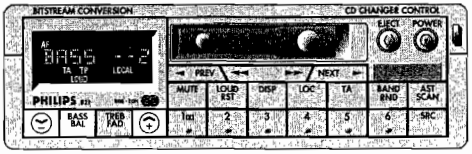


ATTENTION: Please adjust the volume at such a level that you can still hear traffic signals (e.g. ambulances).

- Adjust the volume with the ⌄ or ⌃ key for lower or higher volume.
  - The display briefly shows the volume level (for example 'VOL 24').
- You can adjust the volume of traffic messages (during a traffic announcement if TA mode is selected) in addition to the normal volume setting (see 'TA AUDIO SETTINGS', page 18).

Note: If you switch off the set at a high volume level, the set comes back at a lower volume level when you switch it on again.

BASS BASS

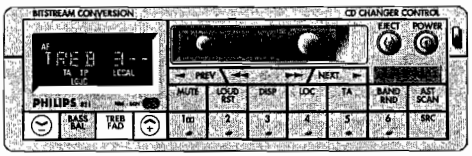


- Briefly press the BASS/BAL key.

– The display shows 'BASS' and the current setting.

- Adjust within 10 seconds the bass between 7- - and - - 7 with the ⌄ or ⌃ key*.

TREBLE TREB



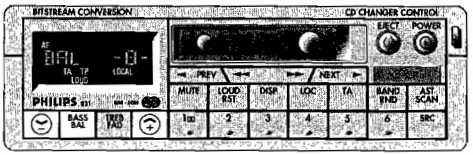
- Briefly press the TREB/FAD key.

– The display shows 'TREB' and the current setting.

- Adjust within 10 seconds the treble between 7- - and - - 7 with the ⌄ or ⌃ key*.

* For adjustment of the bass and treble settings of traffic messages see 'TA AUDIO SETTINGS, page 18'.

BALANCE BAL

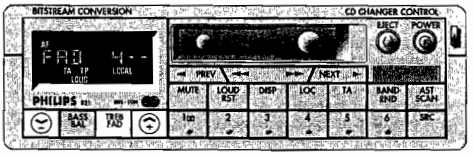


- Press the BASS/BAL key for at least 2 seconds.

– The display shows 'BAL' and the current setting.

- Adjust within 10 seconds the balance between 9- - and - - 9 with the ⌄ or ⌃ key.

FADER FAD



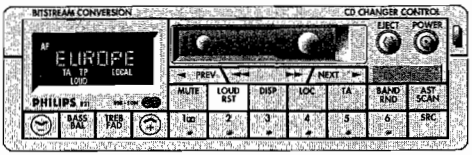
- Press the TREB/FAD key for at least 2 seconds.

– The display shows 'FAD' and the current setting.

- Adjust within 10 seconds the fader between 9- - and - - 9 with the ⌄ or ⌃ key.

Note: The Fader setting affects the loudspeakers as well as the 4-channel line-out.

LOUDNESS LOUD



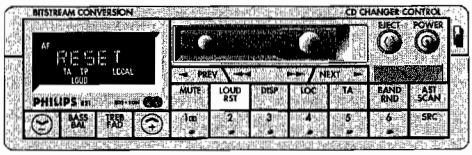
You can increase the low notes with the loudness function. This is often desirable at low volume settings.

- Briefly press the LOUD key to switch on the loudness function.

– The display shows 'LOUD'.

- Briefly press the LOUD key again to switch off loudness.

AUDIO-RESET RST



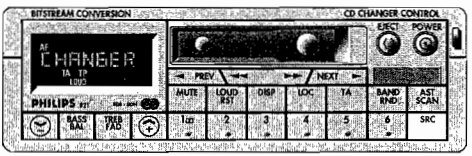
Treble, bass, fader and balance can be reset to the neutral position (- 0 -) by simply pressing one key.

- Press the RST key for at least 2 seconds.

– The display briefly shows 'RESET'.

☐ This zero-adjustment (reset) will reset the balance and fader settings of **all** sources and the bass and treble settings of the **currently selected** source. You hear a confirmation beep.

SOURCE SELECTION SRC



You can select between radio reception, DCC/Compact Cassette or CD playback.

- Briefly press the SRC key one or more times to select the desired source.

The display briefly shows:

– 'TUNER' for radio reception,

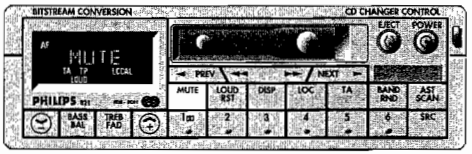
– 'DCC' for DCC,

– 'TAPE' for Compact Cassette or

– 'CHANGER' for CD playback*.

* If a CD changer is connected

SOUND-INTERRUPTION MUTE



- Press the MUTE key.

– The display shows 'MUTE'.

☐ The sound will mute.

- To release Mute press the MUTE key again or press any other radio key.

Mute is also released if you insert a DCC or Compact Cassette.

Note: If the radio is in the TA mode, you will still hear traffic messages when broadcast. (See 'TRAFFIC INFORMATION ON FM').

TELEPHONE MUTE

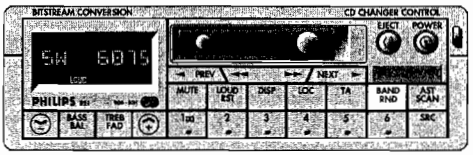
If a car telephone (with audio mute connection possibility) has been connected, the radio or DCC/Compact Cassette or CD playback will automatically mute when the telephone rings.

– The display shows 'TELL'.

- Briefly press the MUTE key if you want to release the sound interruption during a call.

RADIO RECEPTION

WAVEBAND BAND



- Select the desired waveband by briefly pressing the BAND key one or more times.

– The display shows:

FM1, FM2, FM3:	for FM,
MW*:	for medium wave (MW),
LW*:	for long wave (LW), or
SW*:	for short wave (SW) (49 m band),
AM1*, AM2*, AM3*:	AM for U.S.A. only (see 'INIT MODE').

The FM3 (or AM3) band is used as an Auto-Store band (see 'AUTO-STORE'). The display additionally shows 'AST' if FM3 (or AM3) is chosen.

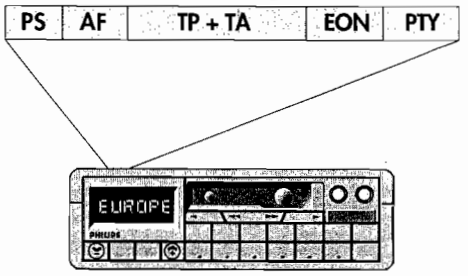
* You can switch off these wavebands, if you don't want to use AM (see 'INIT MODE').

TUNING TO A STATION

You can tune to a station using any of the following methods:

a. search tuning
b. manual tuning
c. recalling a stored station with one of the preset keys

RADIO DATA SYSTEM ON FM RDS



RDS (**R**adio **D**ata **S**ystem) is a system in which inaudible data is transmitted in addition to the normal FM radio signal. This data contains:

1. **P**rogramme **S**ervice name (**PS**) – The radio displays the station-name instead of the frequency.
2. A list of **A**lternative **F**requencies (**AF**) for the radio station being received. The radio automatically selects the best frequency, always maintaining the best possible reception (**automatic retuning**).
3. A traffic information system (**TA** = **T**raffic **A**nnouncement, **TP** = **T**raffic **P**rogramme).
4. **EON** (**E**nhanced **O**ther **N**etworks): Information from other stations linked in a network is received (e.g. traffic messages).
5. **PTY Alarm** – Alarm messages (for example during extreme weather conditions) have top priority and can interrupt radio, DCC/Compact Cassette or CD playback.

The most important feature of the RDS radio is the 'automatic retuning', using the list of alternative frequencies (AF) transmitted by an RDS station.

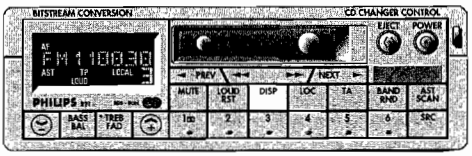
The alternative frequencies are evaluated on signal strength, multipath distortion and distortion from adjacent transmitters etc. This RDS set automatically switches to the frequency with the best signal.

Reception of RDS stations

If an RDS station is received, the display shows the station-name and 'AF' is constantly lit, meaning that a list of Alternative Frequencies is available.

Note: It is possible that, in certain reception conditions, it takes some time before the required station-name is displayed.

Display the frequency of an RDS station



If you want to see the frequency (and the current FM waveband) when tuned to an RDS station:

- Briefly press the DISP key.

– The display shows the waveband and the tuned frequency for approx. 3 seconds.

RDS in fringe areas

If you drive to the limits of an RDS station's reception area, 'AF' in the display disappears. Now the 'automatic retuning' cannot function as no alternative frequencies are available.

The radio will remain on the last tuned frequency and the display shows the station-name.

If you switch the radio off and later on while you are outside (or at the limit of) the station's reception area, the radio searches the waveband for the last tuned station. If it cannot find the same station, because this station has become too weak, it tunes to the last tuned frequency.

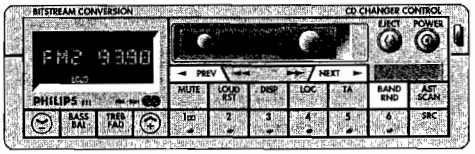
- Press another preset key, or search for a new station by search or manual tuning, if you want to interrupt the radio from searching for the last tuned station.

PTY Alarm

Under exceptional circumstances (for example extreme weather conditions) PTY Alarm messages may be broadcast. The set always gives such messages top priority: the radio may temporarily tune to a different radio station. MUTE or DCC/Compact Cassette or CD playback will be interrupted and the display shows 'ALARM'.

Alarm messages are reproduced with the TA volume level (see 'TRAFFIC INFORMATION ON FM').

SEARCH TUNING ◄ PREV/NEXT ►



Use search tuning to quickly search for a station.

- Briefly press the ◄ PREV or NEXT ► key.

☐ NEXT ► = search upwards;
☐ ◄ PREV = search downwards.

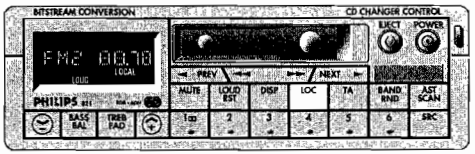
You will receive a station after a short time.

- To search for another station, press the same key again.
  - The display shows the running frequency until a new station is found.

Whether only strong or also weak stations are tuned is dependent on the LOCAL mode adjustment (see 'LOCAL/DISTANT').

Note: If the radio is in the TA mode, the radio will only search for stations **with traffic information** (See 'TRAFFIC INFORMATION ON FM').

LOCAL/DISTANT LOC



When in LOCAL mode the radio only tunes to stations with strong signals (typically closer stations).

LOCAL off:

- Press the LOC key.
  - 'LOCAL' in the display disappears.

☐ Now weaker stations are also tuned in.

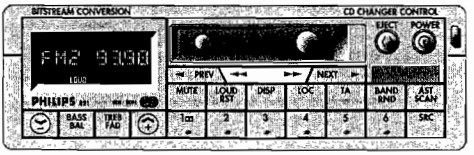
LOCAL on:

- Press the LOC key again.
  - The display shows 'LOCAL' again.

☐ Only strong stations are tuned in.

Note: The 'LOCAL' position (on/off) is memorized if you switch off the set.

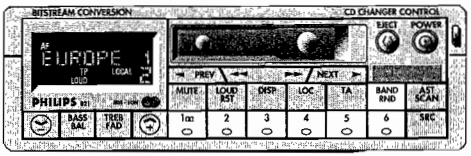
MANUAL TUNING ◄◄/►►



Use manual tuning, if you know the frequency of the desired station.

- Press and hold one of the ◄◄ / ►► keys for coarse tuning.
- Then tap the ◄◄ or ►► key as often as needed to change the frequency step by step until the desired frequency is displayed.

PRESETS 1 – 6



This radio has storage locations for 36 stations on the preset keys.

18 FM stations:
6 x FM1, 6 x FM2, 6 x FM3*,

6 MW* stations,

6 LW* stations,

6 SW stations,

or 18 AM stations (for U.S.A only):
6 x AM1, 6 x AM2, 6 x AM3*.

* Auto-Store is available on these bands. See 'AUTO-STORE'.

Storing a station

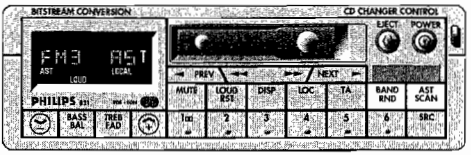
- Select the desired waveband with BAND key.
- Tune-in the desired station by 'SEARCH TUNING' or 'MANUAL TUNING'.
- Keep the desired PRESET key (1 – 6) pressed until you hear a beep (after 2 seconds).

– The display shows the waveband, the frequency (or the RDS station name on FM) and the preset number on which the station has been stored.

Recalling a station

- Press the BAND key to select the desired waveband.
- Briefly press the desired preset key (1 – 6).

AUTO-STORE AST



By simply pressing only one key you can automatically store 6 FM stations (on FM3), 6 MW stations, 6 LW or 6 AM* stations (on AM3*).

Use Auto-Store to quickly find the strongest stations, for example when travelling through different reception areas.

Note: When you use Auto-Store, the new stations **replace** any stations previously stored on the selected band (FM3, MW, LW or AM3*). The stations on FM1, FM2, AM1* and AM2* are **not** replaced.

Automatically storing stations

- Select the desired waveband (FM, MW, LW or AM*).
- Briefly press the AST key.

If you are on FM1, FM2, AM1* or AM2* the radio automatically changes to FM3 or AM3* for Auto-Store.

☐ The radio mutes and gives a confirmation beep.

– The display shows e.g. 'FM3 AST'.

☐ The radio stores 6 stations (if possible) on the selected band (except SW).

☐ When the Auto-Store process has finished the set gives a beep again.

☐ The set tunes to the station on preset 1.

Notes: Auto-Store is not possible on the SW band. If you press the AST key when on the SW band, the set gives an error beep.

Sometimes it may not be possible to find 6 stations. In this case, the remaining presets (for example 5 and 6) are not programmed with new stations.

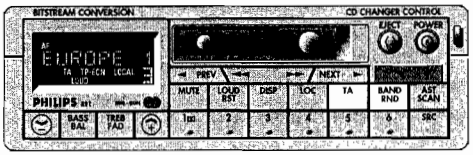
* for U.S.A. only (see 'INIT MODE')

TRAFFIC INFORMATION ON FM

Important: The TA mode should only be used in countries where the Radio Data System is already introduced.

The display shows 'TP' whenever the radio is tuned to a station which broadcasts traffic information or whenever the radio is able to receive traffic information from a linked station (see 'Enhanced Other Networks').

TA MODE – To receive traffic messages when broadcast



- Select FM1, FM2 or FM3 with the BAND key.
- Briefly press the TA key.

– The display shows 'TA'.

Notes:

The set only tunes to stations with traffic information (TP stations) or to EON-linked stations when using search tuning.

If the set is not tuned to a TP or EON-linked station, you will hear beeps repeated in intervalls and the display shows 'NO TP'.

If a tuned TP station becomes too weak to enable the set to receive traffic announcements, you will also hear beeps and the display shows 'NO TP'.

- In this case select another TP station by using search tuning, if you want to continue to hear traffic
- You can also switch on TA during DCC/ Compact Cassette or CD playback.

If you switch on TA during DCC or Compact Cassette playback, and the radio was not already tuned to a station providing traffic information, the radio automatically tunes to a TP station or an EON-linked station.

ENHANCED OTHER NETWORKS (EON)

EON is a new RDS service, where the broadcaster links some stations (with and without traffic information) in a network.

If you are tuned to an EON-linked station which does **not** broadcast traffic information, EON enables you to receive traffic announcements from another station in the network.

The display shows 'TP' if the set is able to receive traffic announcements from other stations in a network.

- To hear traffic announcements, press the TA key to switch on the TA mode.

If traffic information is broadcast by the other station of the network the radio switches to that EON-linked station with traffic information temporarily.

– The display shows 'TP-EON' and the station-name of the station broadcasting the traffic announcement.

☐ After the message has finished the radio switches back to the previously tuned station.

TA AUDIO SETTINGS

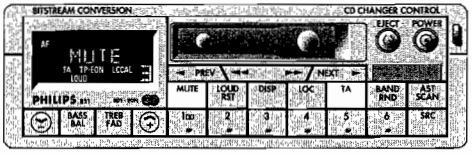
You can adjust the audio settings (volume, bass and treble) for traffic messages separately from the normal audio settings.

This is only possible **during** a traffic announcement and with the **TA mode switched on**.

☐ The set reproduces the sound of all traffic announcements at the adjusted TA audio settings when the TA mode is switched on.

- To reset the bass and treble settings of traffic messages to neutral position (- 0 -) press the RST key for at least 2 seconds **during** a traffic announcement.

TRAFFIC ANNOUNCEMENTS ONLY



- Switch on the TA mode.
- Press the MUTE key.

☐ The radio mutes.

– The display shows 'MUTE'.

– When receiving traffic information the display shows the station-name during the traffic announcement.

☐ You hear the traffic message at the TA volume level previously adjusted.

- To switch off MUTE: Press the MUTE key, one of the ∨/∧ keys or one of the radio keys.

– 'MUTE' disappears from the display.

☐ You hear the tuned station again.

TRAFFIC INFORMATION DURING DCC/ COMPACT CASSETTE OR CD PLAYBACK

- To switch on: Briefly press the TA key.

☐ DCC/Compact Cassette or CD playback is interrupted during a traffic announcement.

– The display shows 'TP' (or 'TP-EON'), and during a traffic announcement the station-name.

☐ After the traffic announcement playback is resumed.

TO SKIP A TRAFFIC MESSAGE

If you do not wish to continue listening to a particular traffic announcement, you can interrupt it without switching off the TA mode.

- Press the TA key for at least 2 seconds during the announcement until traffic information stops.

☐ Playback of the previously selected source is continued.

☐ The TA mode remains switched on.

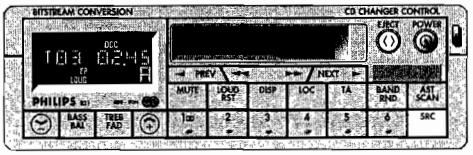
SWITCHING OFF TA MODE

- Briefly press the TA key.

☐ The TA mode is switched off.

DCC DECK

DIGITAL CASSETTE PLAYBACK



- Insert the cassette with the metal slide facing to the right. The cassette is retracted and playback of the upper cassette side starts automatically.

The DCC deck reads three different types of DCCs dependent on the recording method.

1. **Prerecorded:** industrial prerecorded DCCs. Contain a table of contents, text information and a time code of every single track.
2. **Super-User*:** self-recorded DCCs. Recorded with 'Append-Record' and 'Renumber'. Contain track numbers and a consecutive time code.
3. **User*:** self-recorded DCCs. Recorded with 'Record-Pause'. Contain no track numbers or time codes.

If a DCC is inserted into the cassette opening the display shows:

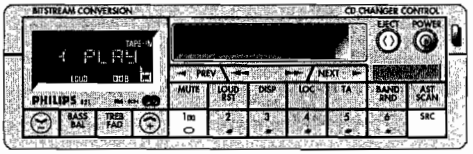
- the indication 'DCC',
- the indication for the cassette side 'A' or 'b',
- 'DCC' with User DCCs,
- with Super-User DCCs the total elapsed time (e.g. 'PT: 32.28') or the track number and the total elapsed time (as soon as a track marker is found), e.g. 'T08 34.52',
- with prerecorded DCCs the text mode starts (see 'DCC TEXT MODE').

* For further information refer to the instruction manual of your home DCC player.

- Briefly press the SRC key to switch DCC playback on or off.

- The 'DCC' indicator remains in the display as long as a DCC is in the deck mechanism.

COMPACT CASSETTE PLAYBACK



- Slide the cassette, with the open side facing to the right, into the cassette opening.

☐ The cassette is retracted and playback of the upper cassette side starts.

The display shows:

- The indication 'TAPE-IN',
- 'PLAY ▸' for the upper side and '◂ PLAY' for the lower side of the cassette,
- the indication for the cassette side 'A' (upper side) or 'b' (lower side).

Dolby Noise Reduction

To play Compact Cassettes recorded with Dolby B or C type Noise Reduction.

- Press preset key 1 one or more times during Compact Cassette playback to select Dolby B type, C type or Dolby NR off.
- The display shows the indication 'DOLBY B' or 'DOLBY C'.

CASSETTE EJECT EJECT

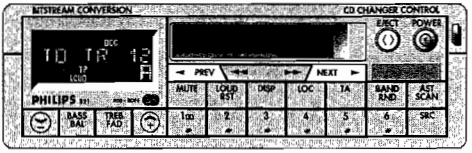
- Press the ⟨⟩ EJECT key for at least 2 seconds.
- The display briefly shows 'EJECT'.

☐ The cassette is ejected and the set switches back to radio reception.

REVERSE ⟨⟩

- To change the cassette side before the end of tape, press the ⟨⟩ EJECT key briefly.

PLAYING PREVIOUS OR NEXT TRACKS (DCC) ◄ PREV/NEXT ►



1. Prerecorded DCCs

- Press the ◄ PREV or NEXT ► key one or more times until the desired track number appears in the display.

– The display shows 'TO TR 07' for example if you want to play track 7.

- Press the ◄ PREV key once after the first 10 seconds of the current track, if you want to repeat this track.
- Briefly press the ⟨⟩ EJECT key to stop the search.

☐ DCC playback continues.

Note: The deck changes the tape direction automatically, if the chosen track is on the other side of the DCC.

2. Super-User and User DCCs

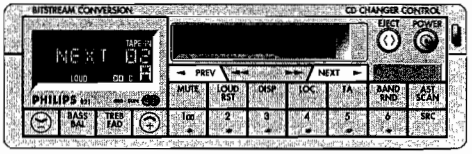
- Press the ◄ PREV or NEXT ► key one or more times until the desired number of tracks you want to skip appears in the display.

– The display shows 'PREV' or 'NEXT' and the number of tracks to be skipped.

- Press the ◄ PREV key once after the first 10 seconds of the current track, if you want to repeat this track.
- Briefly press the ⟨⟩ EJECT key to stop the search.

☐ Playback is continued.

MUSIC SEARCH SYSTEM (COMPACT CASSETTE) ◄ PREV/NEXT ►



- To skip the current track, press the NEXT ► key once. The set winds to the next track on the tape.

– The display shows 'NEXT 01'.

- To repeat the current track, press the ◄ PREV key once after the first 10 seconds of the track. If you press the ◄ PREV key within the first 10 seconds of the current track, the deck rewinds to the previous track.

– The display shows 'PREV 01'.

- Briefly press the ⟨⟩ key to stop the search.

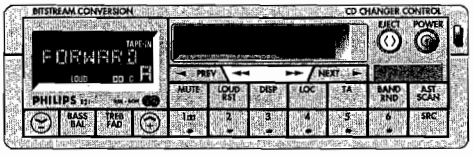
☐ Compact Cassette playback continues.

Notes:

To skip more than one track forward or rewind, press the ◄ PREV or NEXT ► key more times, until the desired number of tracks appears in the display.

The **Music Search System** only works properly, if record-mutes of at least 3 seconds are inserted between two tracks.

FAST WINDING ◄◄/►► (DCC and COMPACT CASSETTE)



- For fast forward or rewind of the tape press the ◄◄ or ►► key.

– The display shows 'FORWARD' or "REWIND'.

☐ You hear the previously selected radio station during fast forward/rewind.

- Briefly press the same key again or the ◊ key to stop fast winding.

Note: Blank passages on a DCC are detected by the DCC deck and skipped automatically. The deck winds to the next track and the display shows 'FORWARD', 'REWIND' or 'NEXT 01'.

FLEXIBLE SOURCE ACCESS

During a search for next or previous tracks with ◄ PREV/NEXT ► on a DCC or Compact Cassette, you can listen to radio or CD playback (if a CD changer is connected).

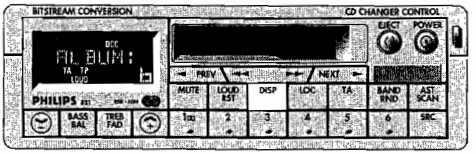
- Press the SRC key during a next/previous search to select radio or CD playback.

☐ The DCC deck winds to the selected track and stops there.

- Press the SRC key again to switch back to DCC/Compact Cassette playback.

If you select 'DCC' again before the previously selected track is found, playback of the DCC or Compact Cassette resumes at the current position of the tape.

DCC TEXT MODE (only prerecorded DCCs)



The DCC deck allows you to read out text information that is supplied with prerecorded DCCs. The following information is displayed:

1. ARTIST: the artist's name,
2. ALBUM: the album title and
3. TRACK: the current track title.

The number of the current track and the elapsed track time are also displayed.

Text information on a prerecorded DCC is displayed in two different ways:

a. *Scroll mode:*
In this mode all characters (even special characters) of a text information are read and displayed. The text scrolls over the display.

The Scroll mode is automatically selected if you insert a DCC or switch from radio to DCC.

b. *Fixed mode:*
Reduced text information without special characters is read and displayed in this mode. Only the first 8 characters are shown.

If you insert a prerecorded DCC or you switch to DCC playback, the DCC deck searches for text information during playback.

As soon as text is available the text information is displayed.

First the display shows 'ARTIST:' and then the entire information about the artist. If text information is shorter than 9 characters, the display does not scroll the text.

After the artist information has finished the album and track information appear in the Scroll mode.

When all text information has been read out, the set switches to time display. The display shows the track number and the elapsed track time, e.g. 'T03 02'35'.

- Press the DISP key one or more times to toggle the text display in the above-mentioned order before the end of the text information is reached.

Reading out text information

You can read out text information at any time during DCC playback:

- Briefly press the DISP key one or more times.

– The display shows 'ARTIST:', 'ALBUM:', 'TRACK:' and the corresponding information in the 12 character mode (8 char./no scroll) or the track number and the elapsed track time.

Note: The Scroll mode is only available when inserting a DCC or when switching from radio reception to DCC playback.

TITLE SEARCH

You can read out the track title of the chosen track (with prerecorded DCCs) when searching for previous or next tracks.

- Select track display with the DISP key during DCC playback.

– The display briefly shows the track number and then the track title of the chosen track.

MAINTENANCE OF THE DCC DECK

PLEASE NOTE!

DO NOT use demagnetizing cassettes. These cassettes **destroy** the digital head of the DCC deck!

NEVER use Cassette cleaners other than the supplied DCC cleaning cassette! Other cleaners may damage the digital head, which may cause drop-outs.

Pay attention to the operating instructions on the packaging of the cleaning cassette.

Do **not** use cassette adaptors supplied with/for CD portables. The digital head might be damaged.

If you play Digital Compact Cassettes only, the deck needs no cleaning, because the DCC tape material has a self-cleaning effect.

If you also use regular Compact Cassettes, dust, contamination or grime can accumulate on the digital head dependent on the tape quality and duration of use. This may deteriorate the playback quality, especially with DCCs.

Only use the supplied DCC wet cleaning cassette then. Pay attention to the instructions on the packaging of the cassette.

Use only C60 or C90 Compact Cassettes of good quality to avoid unnecessary contamination and failures.

Never expose cassettes to direct sunlight or extreme heat.

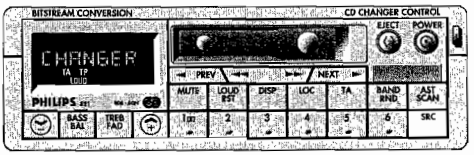
CD CHANGER

An optional Philips CD changer (**D²B type**) can be connected to this set. Ask your dealer for more information

After installation and connection of the CD changer the following functions are available using the car radio controls.

- Check that the magazine is loaded with discs and inserted in the CD changer (see the instruction manual of the changer for further information).

CD PLAYBACK



- Select 'CHANGER' by briefly pressing the SRC key one or more times.

– The display shows the track number/ elapsed track time, e.g. 'T03 02.44' and the number of the current disc.

If you have inserted a new CD magazine, the display shows "CHECK" as long as the CD changer checks all slots for discs.

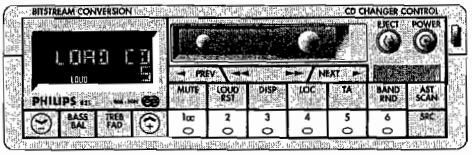
If no magazine is in the changer, or no discs are inserted in the magazine, the display shows 'NO DISCS'

Displaying total track number and total playing time of the selected disc

- Briefly press the DISP key to display the total number of tracks and the total playing time of the selected disc.

– The display switches back to track number/elapsed track time after approx. 3 seconds.

PLAYING A SPECIFIC DISC 1 – 6



- Press one of the preset keys 1 – 6 to select the desired disc.

– The display briefly shows the total number of tracks and the total playing time and the disc number (for example: 'T 14 61.10' and '5' for the number of the disc).

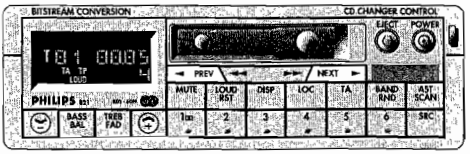
☐ CD playback starts, beginning with track 1 of the selected disc.

– The display then shows the track number and the elapsed track time, e.g. 'T01 02.34'.

If there is no disc in the location of the CD magazine you selected, the display shows 'NO DISC' and then the magazine contents, for example ' 12 - 4 - 6' if the locations 3 and 5 are empty.

- Select one of the available discs with the preset keys.

PLAYING NEXT OR PREVIOUS TRACKS ◄ PREV/NEXT ►

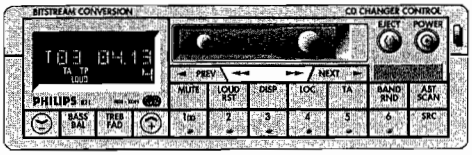


- Briefly press the ◄ PREV/NEXT ► key one or more times until the desired track is shown in the display.

☐ Playback continues, starting with the chosen track.

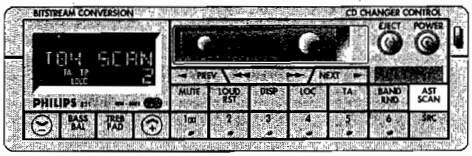
- If you want to return quickly to the first track on the current disc, press the preset key (1 – 6) corresponding to the disc beeing played.

FAST FORWARD/ BACKWARD ◄◄/►►



- To quickly move to another part of the currently selected disc during playback, press and hold the ◄◄ or ►► key until the desired part is reached. Playback resumes when you release the key.

SCANNING TRACKS SCAN



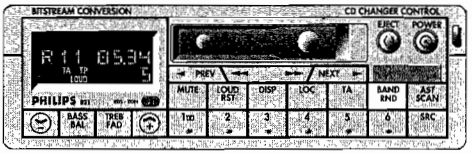
- Briefly press the SCAN key.

☐ The CD changer playes each track of the current disc for 10 seconds. After the last track has been scanned, scan continues from the first track on the disc.

- Briefly press the SCAN key again when you hear a track you want to listen to. Normal playback resumes.

Pressing any other CD key also stops SCAN.

RANDOM PLAYBACK RND



- Briefly press the RND key.

– The display shows e.g. 'R 11 05.34' and the number of the disc, if for example track 11 is played.

☐ The tracks of the current disc are played in a random order.

☐ After all the tracks on the disc have been played, random play continues on the next disc.

- To resume normal playback, briefly press the RND key again.

☐ The set remains in Random play mode even after switching the set off and then on again.

PAUSE MUTE

- Press the MUTE key.

– The display shows 'MUTE'.

☐ Playback stops and the set is silent.

- To release pause, press the MUTE key again or any other CD key.

SWITCHING OFF CD PLAYBACK

- Briefly press the SRC key to switch back to radio or DCC/Cassette playback.

– The display briefly shows 'DCC', 'TAPE' or 'TUNER'

☐ CD playback stops.

ERRORS AND DISPLAY INDICATIONS

The CD changer might give error messages under certain circumstances. In this case the display shows the following indications:

1. CHECK: The changer checks all slots of the magazine (new magazine was inserted).

- Wait a few seconds until checking is completed.

2. NO DISCS: There are no discs in the inserted magazine or no magazine is in the changer.

- Insert a magazine with discs.

3. NO DISC: The disc you selected is not available (not inserted in the chosen slot).

- Insert a disc in the desired slot of the magazine.

4. ERROR CD: The disc you selected is scratched or inserted upside down.

- Check if the disc is scratched or dirty or insert it correctly.

5. TOO HOT: The changer mechanism is too hot to ensure correct functioning.

- Let the changer cool down, until the display no longer shows 'TOO HOT'.

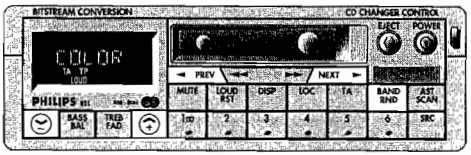
INIT MODE

In the initialisation mode you can select several functions not available with the normal function keys. This simplifies operation of the set and you can select and memorize your personal preferences.

You can change the following parameters:

1. Illumination color of display and keyboard;
2. Viewing angle of the display;
3. Wave range selection (for U.S.A.)
4. AM wavebands (MW, LW, SW) on/off.

ILLUMINATION COLOR COLOR



You can adjust the color of the display and keyboard illumination to the illumination of the dashboard between green and orange.

- Select the INIT mode by pressing the BAND key for at least 2 seconds, until you hear a confirmation beep.

– The display shows 'COLOR'.

- Toggle between green or orange with the ⌄/⌃ keys.
- Leave the INIT mode by briefly pressing the BAND key.

Note: The set leaves the INIT mode automatically if you don't press any key within 10 seconds.

VIEWING ANGLE VIEW

You can adjust the best possible readability of the display by changing the value of the viewing angle.

- Enter the INIT mode by pressing the BAND key for at least 2 seconds, until you hear a confirmation beep.
- Select the 'VIEW' parameter with the ◄ PREV or NEXT ► key.

– The display shows e.g. 'VIEW 0'

- Select the setting between -1 and 2 with the ⌄/⌃ keys for best readability of the display.
- Leave the INIT mode by briefly pressing the BAND key.

WAVE RANGE SELECTION TUNE

You can adjust the wave ranges and the tuning grid of the radio to the area (Europe or U.S.A.) where you use the set.

WARNING: You will lose all your previously stored AM stations (MW, LW, SW or AM1, AM2, AM3) if you perform a wave range selection.

- Enter the INIT mode by pressing the BAND key for at least 2 seconds, until you hear a confirmation beep.
- Select the 'TUNE' parameter with the ◄ PREV or NEXT ► key.

– The display shows e. g. 'TUNE EUR' if the wave range for Europe is selected.

- Select 'TUNE EUR' for use in Europe or 'TUNE USA' for use in the U.S.A. with the ⌄/⌃ keys.
- Leave the INIT mode by briefly pressing the BAND key.

If you choose 'TUNE USA' you can select FM1, FM2, FM3 and AM1, AM2, AM3 with the BAND key. SW and LW are not available when using this setting. The tuning steps are set to 10 kHz for AM.

AM WAVEBANDS AM

If you don't want to use the AM wavebands (MW, LW, SW or AM*), you can switch off these bands with 'AM OFF'.

- Enter the INIT mode by pressing the BAND key for at least 2 seconds, until you hear a confirmation beep.
- Select the 'AM' parameter with the ◄ PREV or NEXT ► key.

– The display shows e.g. 'AM ON'

- Select between 'AM ON' and 'AM OFF' with the ⌄ or ⌃ key.
- Leave the INIT mode by briefly pressing the BAND key.

☐ Now you can only choose between FM1, FM2 and FM3 with the BAND key.

* only if 'TUNE USA' is selected (see 'WAVE RANGE SELECTION')

MOUNTING INSTRUCTIONS

Refer to the illustrations on pages 3 – 4 while reading these instructions.

GENERAL

Remove the 'passport' from the set before installing the set.

Voltage and polarity: The set must be connected to a 12 V car battery with negative terminal to earth (car chassis).

Warning: To prevent short-circuiting, **disconnect** the negative car battery terminal until the set has been mounted and connected.

Aerial

The choice of aerial depends on the type of car. Position the aerial as far as possible from the ignition assembly. The aerial earthing bar or strap must contact clean metal. Protect this contact against corrosion with silicone grease or another rust preventer.

Some specific cars use an electronic aerial with a power supply using the aerial cable. If you want to use such an aerial, ask your car dealer for a suitable adaptor box.

Loudspeakers

Only use loudspeakers having an impedance of 4 ohms.

To avoid damage to the amplifier NEVER connect two 4 ohm loudspeakers in parallel.

Do not connect any of the loudspeaker leads to earth!

The sound distribution is improved when two speakers are mounted in the front and two loudspeakers in the rear of the car.

Preferably mount speakers in positions giving good acoustics. For example: left and right in dashboard; as high as possible in the doors; or on the rear parcel shelf.

PREPARATION

Mounting aperture (Fig. 4)

The Quick-Out sleeve is suitable for a radio mounting aperture according to DIN and ISO standards (dimensions: 182 x 53 mm).

- Check that the sleeve fits into the mounting aperture. If necessary, square off the corners of the mounting aperture with a file.

CONNECTIONS

(Fig. 1)

[1] Aerial socket

[2] Rear support stud

[3] Telephone mute connection ☎

A Power supply multi-plug

A1 Power supply connector

B Loudspeaker multi-plug

B1 Loudspeaker connector

C Connection cable for a CD changer (D^2B standard)

D Line-out socket (LINE OUT)

D1 Line plug of adaptor cable or external amplifier (optional)

(Fig. 3)

[4] 12 V permanent supply lead (yellow/red) 12V

[5] Lead for 12 V switching voltage for an electronic aerial or the relay of an automatic motor aerial (blue)

[6] Lead for red night illumination ☼ of the POWER switch (even when the set is switched off) (grey)

[7] 12 V supply lead (red)

[8] Earth lead (brown)

AERIAL

Insert aerial plug into aerial socket [1] of the sleeve.

CONNECTION WITH ADAPTOR CABLE

Specific adaptor cables are available for many cars. Refer to the table at the end of this booklet. Contact your dealer for further information.

CONNECTION WITHOUT ADAPTOR CABLE

- Cut off connectors **A1** and **B1**.

LOUDSPEAKERS (Fig. 2)

Ensure that the loudspeakers are connected in phase by using marked terminals or leads for the phase (+) connections.

- Connect loudspeakers to connector **B**.

Four loudspeakers:

Maximum output power: 4 x 12 W

1 = Rear Right phase (**RR** +) (blue)
2 = Rear Right return (**RR** -) (blue/black)
3 = Front Right phase (**FR** +) (grey)
4 = Front Right return (**FR** -) (grey/black)
5 = Front Left phase (**FL** +) (green)
6 = Front Left return (**FL** -) (green/black)
7 = Rear Left phase (**RL** +) (brown)
8 = Rear Left return (**RL** -) (brown/black)

Two loudspeakers

HIGH-POWER configuration:

Maximum output power: 2 x 30 W

2 = Right return (**R** -) (blue/black)
3 = Right phase (**R** +) (grey)
5 = Left phase (**L** +) (green)
8 = Left return (**L** -) (brown/black)

- If 2 loudspeakers are connected, insulate the ends of the unused speaker leads of connector **B**.

Do not connect any of the loudspeaker leads to earth!

Do not connect a booster/amplifier directly to the loudspeaker outputs! The internal bridged-amplifier might be damaged.

Do not connect loudspeakers via an external fader!

POWER SUPPLY (Fig. 3)

- Connect the leads from connector **A** as described below.

- **Red: +12 V supply** ("+12 V SWITCHED")

Possible connecting points for the red lead [7]:

- the 12 V lead for the radio (in the radio compartment);
- the accessory contact of the ignition switch;
- a suitable contact in the fuse-box with permanent voltage.

If the red lead [7] is connected to a terminal with permanent voltage, the yellow/red lead [4] need not be used. In this case the next step can be skipped.

- **Yellow/Red: +12 V permanent supply** ("+12 V PERMANENT")

Connect the yellow/red lead [4] to a point of permanent supply.

Possible connecting points:

- supply lead for interior car lighting;
- supply lead for clock;
- a contact in the fuse-box with permanent voltage.

The voltage on this point must never be interrupted, even when starting or switching off the engine.

- **Grey:** ("EXTERN ILLUMIN")

For night illumination ☼ of the radio (POWER button and DCC logo) use connection [6].

Connect the lead to the dashboard illumination wiring or to the ignition supply lead after the ignition switch.

- **Brown: Earth** ("GND")

Connect lead [8] to a suitable earthing point on the car body. Preferably use the same earthing point for all your audio components to avoid interference (for example from the generator).

OPTIONAL CONNECTIONS

- **Blue: Switched +12 V output** ("AUTO AERIAL")

An electronic aerial or the control lead for the relay of an automatic motor aerial can be connected to terminal [5].

Do not use this connection point for supply of the aerial motor!

- **Telephone mute:**

If your car telephone has a mute signal output (active low), connect this output via the green lead supplied to terminal **A** [3], as shown in Fig. 1.

External Amplifiers

- **Line output:** You can connect power amplifiers (with additional loudspeakers) to line-out socket **D**.

Use adaptor cable **D1**, type number 22 EA 6197 (CINCH), which is available from your dealer. To minimize interference (e.g. from the generator), use the **same** earthing point for radio, amplifiers and further audio components.

CD Changer

You can connect an optional Philips CD changer (i.e. DC 012) to the radio.

Only use the extension cable supplied with the changer to connect the CD changer to the car radio.

- Connect the cable **C** from the radio to the supplied extension cable (Fig. 1).
  Do not remove cable **C** from the Quick-out.
- Connect the extension cable to the CD changer.
- If you don't use the extension cable, connect cable **C** directly to the CD changer.

INSTALLING QUICK-OUT SLEEVE

Rear support: It is advisable to provide a support for the set at the rear of the sleeve.

- Screw the rubber buffer onto rear support stud [2] at the rear of the sleeve (Fig. 1).
- Slide the sleeve into the mounting aperture (Fig. 5), ensuring that the buffer slides into the rear support hole (Fig. 6).
- Bend all metal tags outwards behind the dashboard (Fig. 7).
- **Reconnect** the negative car battery terminal.

INTERFERENCE SUPPRESSION

Most modern cars have sufficient interference suppression. If you experience interference generated by the car, consult your garage.

REPLACING FUSE

- Pull fuse out of connecting block at rear of set (Fig. 9).
- Replace with a 7.5 A blade type.

TECHNICAL DATA

RADIO

Tuning system:	PLL quartz digital tuning
Wave ranges:	FM 87.5 – 108 MHz
	MW 531 – 1611 kHz
	LW 144 – 288 kHz
	SW 5950 – 6200 kHz (49 m)
	AM* 520 - 1710 kHz

DCC, typical

Bit system:	16 bit linear
D/A conversion:	Bitstream (256 times oversampling)
Sampling frequencies:	48 kHz, 44.1 kHz, 32 kHz (auto-selection)
Frequency response:	5 – 20,000 Hz
Distortion:	< 0.01% (1 kHz)
Wow and flutter:	unmeasurable
Signal-to-noise ratio:	> 92 dB
Stereo separation:	> 90 dB (1 kHz)

COMPACT CASSETTE, typical

Frequency response:	30 – 16,000 Hz (-5 dB)
Wow and flutter:	< 0.2 % (IEC 386/DIN 45507)
Signal-to-noise-ratio:	> 53 dB (weighted) > 60 dB (Dolby B) > 68 dB (Dolby C)

AMPLIFIER SECTION

Output, at 4 Ohm load:	2 x 30 W / 4 x 12 W
maximum power: (at 10% THD)	2 x 12 W / 4 x 5.5 W
Frequency response:	5 – 20,000 Hz

* for U.S.A. only

UK & Ireland

Your European Guarantee

Dear customer

Thank you for purchasing this Philips product which has been designed and manufactured to the highest standards and subjected to rigorous testing. Provided it is properly operated and maintained it will perform well for many years.

Philips guarantees to provide free of charge labour and replacement parts in any EEC or EFTA country for all serviceable Philips branded consumer electronic products purchased in those countries.

The legal responsibility for meeting any in-guarantee service needs for your product rests with the dealer from whom you bought it. If your dealer has no service facilities, he can arrange for any work to be carried out by a competent third party organisation.

In the event that you require service whilst in another EEC/EFTA country please contact the local Philips Help Desk whose number can be found in the relevant part of this booklet.

The foregoing applies during a period of 12 months from the date of purchase, provided the product is properly used in accordance with its operating instructions and upon presentation of the original invoice or cash receipt indicating the date of purchase, dealer's name with the product type and serial number.

The Philips guarantee may not apply if:

- The invoice or cash receipt has been altered in any way or made illegible.
- The type or serial number on the product has been altered, deleted, removed or made illegible.
- Repairs have been executed by unauthorised service organisations or persons.
- Damage is caused by accidents including and not limited to lightning, water or fire, misuse or neglect.
- The product requires modification or adaption to operate in any country other than the country for which it was designed and manufactured, or if any damage results from these modifications.

In order to avoid unnecessary inconvenience, we advise you to read the operating instructions carefully before contacting your dealer or service organisation.

Continuing service after the guarantee period is available but the service will be chargeable.

These statements do not affect your statutory rights as a consumer.

If you have any questions which your dealer cannot answer please write or call:

U.K.

Philips Consumer Relations
Philips Car Systems, 6 Talisman Road,
Bicester, Oxon., OX6 0JX

Tel: (0869) 320333
Fax: (0869) 365005

Address for service:
Philips Car Systems,
2219 Coventry Road, Sheldon,
Birmingham B26 3EG

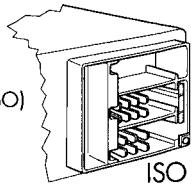
Tel: 021-742 0558

Ireland

Philips Electronics Ireland Ltd
Newstead
Clonskeagh
Dublin 14

Tel: 64 00 00

ADAPTOR CABLES (for cars which do *not* have standard ISO connectors)
CÂBLES D'ADAPTATION (pour des voitures *non-équipées* de connecteurs au standard ISO)
ANPASSUNGSKABEL (für Fahrzeugtypen die *keine* standard ISO-Stecker haben)
ADAPTERKABELS (voor auto's die *geen* standaard ISO connectors hebben)
CAVI ADATTATORI (per le auto che *non* sono dotate di connettori ISO standard)
CABLES DE ADAPTACIÓN (para vehículos que *no* incluyen conectores standard ISO)
CABOS ADAPTADORES (para viaturas *sem* conectores normalizados ISO)
ADAPTERKABLAR (för bilar som *inte* har ISO standardkontakter)
ADAPTERKABLER (for alle biler der *ikke* har standard ISO connectorer)
SOVITUSJOHDOT (autoille joissa *ei* ole ISO-normin mukaisia liittimiä)



Brand	Car Type	Adaptor Cable
Alfa Romeo	Alfa 155	EA 6176
Audi	all models 9/87 →	EA 6179
BMW	all models 9/89 → prepared for radio	EA 6195
Citroën	all models (except XM, BX)	EA 6176
	XM	EA 6166
Daihotsu	Cuore, Rocky, Feroza, Applause 9/92 →	EA 6151
Ford	all models 3/89 → prepared for radio	EA 6190/00
	all models 3/89 → *not* prepared for radio	EA 6190/02
	Mondeo	EA 6244
Honda	all models (except Accord 3/93 →)	EA 6168
	Accord 3/93 →	EA 6176
Hyundai	all models	EA 6242
Mazda	121 2/91 →, 323 sedan 9/89 →, 626 sedan 10/87 - 1/92, 626 hatchback 10/87 - 1/92, 929 5/87 →, MX3, MX5, MX6, RX7	EA 6194
	121 4/88 - 1/91, 323 sedan 9/85 - 8/89, 323 hatchback 9/85 - 8/89	EA 6154
Mercedes	(W201) 190, 190E, 190D	EA 6115 + EA 6112
	(W124) 200 - 300 sedan	EA 6115 + EA 6112
	MB 100 D	EA 6241
Mitsubishi	all models	EA 6155/02
Nissan	all models	EA 6162
Opel	all models 1/89 →, (Corsa 1/82 →)	EA 6176
Peugeot	106, 205, 309, 405 sedan 9/88 - 8/92, 405 Break 9/88 - 8/92, 605	EA 6166
	306, 405 sedan 9/92 →, 405 Break 9/92 →	EA 6176
Renault	Twingo, R5 Campus, R5 1/85 →, Clio 6/90 - 8/92, R19 hatchback 9/88 - 3/92, R19 Chamade 6/89 - 3/92, R21 Sedan 9/89 →, R21 hatchback, R21 10/86 - 8/91, Espace, Rapid, Express	EA 6153
	Clio 9/92 →, R19 hatchback 4/92 →, R19 sedan 4/92 →, R19 Cabriolet, Safrane	EA 6176
Rover	all models (except 6 and 8 series)	EA 6113 + EA 6112
Seat	Ibiza 7/93 →	EA 6179
	Ibiza 1/89 → 6/93	EA 6222
	Toledo	EA 6179
Suzuki	Swift, Vitara	EA 6234
Toyota	all models 1987 →	EA 6151
Vauxhall	all models 1/89 →, (Corsa 1/82 →)	EA 6176
Volvo	240, 440, 480 → 12/90, 460 3/90 - 12/90, 740 → 12/90	EA 6158
	240 1/91→, 440, 480 1/91 →, 460 1/91 →	EA 6220
	850, 740 1/91 →, 940, 960	EA 6170
VW	all models (except Taro)	EA 6179
	Taro	EA 6151

Subject to change without notice.

ADAPTOR CABLES (for cars which do *not* have standard ISO connectors)
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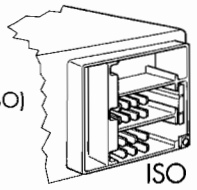

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Honda	all models (*except* Accord 3/93 →)	EA 6168
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Mozda	121 2/91 →, 323 sedan 9/89 →, 626 sedan 10/87 - 1/92, 626 hatchback 10/87 - 1/92, 929 5/87 →, MX3, MX5, MX6, RX7	EA 6194
	121 4/88 - 1/91, 323 sedan 9/85 - 8/89, 323 hatchback 9/85 - 8/89	EA 6154
Mercedes	(W201) 190, 190E, 190D	EA 6115 + EA 6112
	(W124) 200 - 300 sedan	EA 6115 + EA 6112
	MB 100 D	EA 6241
Mitsubishi	all models	EA 6155/02
Nissan	all models	EA 6162
Opel	all models 1/89 →, (Corsa 1/82 →)	EA 6176
Peugeot	106, 205, 309, 405 sedan 9/88 - 8/92, 405 Break 9/88 - 8/92, 605	EA 6166
	306, 405 sedan 9/92 →, 405 Break 9/92 →	EA 6176
Renault	Twingo, R5 Campus, R5 1/85 → , Clio 6/90 - 8/92, R19 hatchback 9/88 - 3/92, R19 Chamade 6/89 - 3/92, R21 Sedan 9/89 → , R21 hatchback, R21 10/86 - 8/91, Espace, Rapid, Express	EA 6153
	Clio 9/92 →, R19 hatchback 4/92 →, R19 sedan 4/92 →, R19 Cabriolet, Safrane	EA 6176
Rover	all models (*except* 6 and 8 series)	EA 6113 + EA 6112
Seat	Ibiza 7/93 →	EA 6179
	Ibiza 1/89 → 6/93	EA 6222
	Toledo	EA 6179
Suzuki	Swift, Vitara	EA 6234
Toyota	all models 1987 →	EA 6151
Vauxhall	all models 1/89 →, (Corsa 1/82 →)	EA 6176
Volvo	240, 440, 480 → 12/90, 460 3/90 - 12/90, 740 → 12/90	EA 6158
	240 1/91→, 440, 480 1/91 →, 460 1/91 →	EA 6220
	850, 740 1/91 →, 940, 960	EA 6170
VW	all models (except Taro)	EA 6179
	Taro	EA 6151

Subject to change without notice.

PHILIPS

Guarantee certificate is on the apparatus
Certificat de garantie sur l'appareil
Der Garantieschein befindet sich auf dem Gerät
De garantiekaart is op het apparaat geplakt
Il certificato di garanzia è sull'apparecchio
El certificado de garantía accompaña al aparato
O certificado de garantia acompanha o aparelho
Garantibeviset finns på apparaten
Garantibeviset er klistret på apparatet
Takuutodistus toimitetaan laitteen mukana

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